

NOVOS PARASITÓIDES DAS PRAGAS DO ALGODOEIRO RECEM IDENTIFICADOS NO PARAGUAI (NEW COTTON PESTS PARASITOIDS RECENTLY IDENTIFIED IN PARAGUAY)

Silvie, P.J.; Delvare, G.; Aberlenc, H-P.; Cardozo, R.; Gomez, V.

CIRAD-CA, Brasilia-DF; CIRAD, Montpellier, França; MAG/DIA/IAN, Caacupe, Paraguay; Universidad Nacional de Asunción, Paraguay.
psilvie@terra.com.br;

Main inventories of cotton pests' parasitoids were made in Paraguay by B. Michel and P. Prudent (1987 to 1992). Collections of pests and their natural enemies have been done mainly during field visits of the national cotton program (PIEA) experimental plots through the country. The rearing of eggs, larvae and nymphs was done. From *Alabama argillacea* (cotton leaf worm, Noctuidae) and Chrysopid eggs, we obtained in Caacupe in 2001 the same parasitoid, *Trichogramma pretiosum*, identified by R. Zucchi (Esalq) in Brazil. Up to 4 individuals were obtained from 1 Chrysopid egg. From Pentatomidae eggs in Concepción emerged a *Telenomus* species (Scelionidae). From *Aphis gossypii* were recovered the very common *Lysiphlebus testaceipes* (Braconidae). We obtained two Braconids species from *A. argillacea*'s caterpillars: *Rhaconotus* sp. and *Bracon* sp. This last species emerged from a cocoon fixed on the leave by a small peduncle. *Copidosoma floridanum* (Ashmead) (Encyrtidae) known as an *Alabama*'s parasitoid was also observed on *Pseudoplusia includens* (soybean looper) in cotton. From an unidentified looper and external cocoons on the back of the caterpillar, emerged specimens of *Glyptapanteles* (Braconidae) in three different localities (Coronel Bogado, in 2002, Guayaybi and Caaguazu in 2004). Parasitoids of natural enemies are still not frequently observed. We've obtained a *Pachyneuron* sp. (Pteromalidae), emerging from a Coccinellid and Syrphid larvae, in Caacupe and Choré. An Eulophidae, *Oomyzus* sp. emerged from a Chrysopid nymph and a *Prochiloneurus* sp. (Chalcididae) was identified after rearing of a coccinellid larva (in Y'Jhovv). Hyperparasitoids were also identified: *Syrphophagus aphidivorus* (Pteromalidae), from *A. gossypii* (parasitoid probable of *Lysiphlebus*). Among the Chalcididae family, all the specimens got emerged from *A. argillacea*: *Brachymeria annulata* and *B. subconica* after rearing of the nymphs found in Concepción in 2001, *Conura* (ex *Spilochalcis*) *fulvovariegata* and *Conura* of the *immaculata* group, from the reared larvae found in Caaguazu (2004).

Palavras-chave: Parasitoids, Cotton, Paraguay

Apoio financeiro: CADELPA, MAG, CIRAD